

The MINES of ARIZONA

This department is under the direction of Mr. W. E. Defty, the well known mining engineer, who will carefully scrutinize all matters relating to mining in order that only reliable information regarding legitimate enterprises shall find a place here.

The Republican would be pleased to receive information from any part of the state regarding the development of the mining industry. All communications should be addressed: Mining Department Arizona Republican.

Another Mining Deal

Pennsylvania capitalists have acquired the Tungsten properties, known as the Vondracek tungsten claims, situated about 18 miles east of Tucson on the Santa Fe railroad, Mohave county. The property has been fairly well developed and ore has and is being mined at the present time. A wagon road is now under construction from the railroad to the mine. And a mill for treating the ore will be erected as early as possible.

The purchase price runs into many thousands and was paid fully in cash. This is the second group of tungsten claims that the same

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LIVE STOCK SHOWS

Cattle show, October 18th to Nov. 1st. Sheep, goats and swine, Nov. 3rd to Nov. 15th. Poultry and pigeons, Nov. 18th to Nov. 28th. Dogs, cats and pet stock, Nov. 29th to Dec. 1st.

Round trip tickets on sale daily. Limit December 31st. To San Francisco, via San Diego

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On sale Friday and Saturday. Limit 15 days. No stopovers. To San Francisco,

\$39.00

Ask the agent about rates to San Diego and if you contemplate a trip east, we would like to talk it over with you.

Trains leave Phoenix 6:00 A. M. and 6:00 P. M. City office phones 1615 and 474. Depot phone 1650.

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SOUTHERN PACIFIC

parties have purchased in Arizona.

The negotiations were carried on through to a successful conclusion by Chas. B. Ward, attorney at law Phoenix, who represents the eastern people in Arizona.

There is a great demand for tungsten at this time and I shall be pleased to get in touch with anyone holding meritorious claims carrying payable contents of tungsten.

Gold Property Bonded

A bond and lease has been taken from Arthur Webster of Phoenix on the Meridian group of mining claims situated in Hassayampa mining district, Yavapai county. The group comprises seven claims and has been operated for the gold contents of the ore. W. B. Johnson of Matton, Arizona, is the party taking the lease and it is understood that he will proceed rapidly to develop the property as energetically as possible.

Pay Hercules

In the prospectus of Ray Hercules Copper Co., which has just been issued, it is noted that the company owns more than two-thirds of the shares of the Arizona Hercules Copper Co. Neither the Ray nor the Arizona has any bonded or floating indebtedness except current accounts. The funds from the sale of Ray-Hercules stock will be used for development of the property.

Approximately \$200,000 has thus far been expended in development work and the existence of 3,400,000 tons of concentrating ore has been demonstrated averaging 2.34 per cent copper on less than one-fifteenth of the company's claims. The property is contiguous to that of Ray Consolidated and development work has thus far been under the direction of Henry Krumb, who supervised the original drilling in these properties. It is intended to erect the first unit of a reduction works, which will have a daily capacity of 1,000 tons, and

later to add a second unit of the same capacity.

There will be 500,000 shares offered at \$3.75 per share, and the issue is being privately subscribed by Clark, Childs & Co. of New York; Geo. A. Huhn & Son, Philadelphia; Geo. Tucker, Hayes & Bartholomew & Co. of Boston.

The Old Tip Top

Previous notices of the transfer of this old property in the Bradshaws have been made in these columns. Commencement of active operations are now being made, by wagon loads of material dispatched from Phoenix this week with material to start work. A great many tests have been made in connection with the tungsten contents of the large dumps and have all proven satisfactory. This rare metal was given no notice in early days. In addition to the tungsten there is a low grade silver content in the ore, this will be extracted by the cyanide process. It is the intention of the new company to erect a mill for treatment of the ore and the property will be equipped thoroughly and efficiently in every particular. There is already a competent chemist in charge. This old property shipped large ton-nages of high grade silver ore in early days and although in Yavapai, drew most of its supplies from Phoenix and probably the same will be done under the present operations.

Planet Mine.

This old property on Billy Williams Fork that was in the hey day of its prosperity in the early sixties, is now shipping ore under lease and bond. The mine in 1860 and 1862 teamed its ore product to Aubrey at the confluence of Billy Williams Fork with the Colorado River. It was there loaded into barges and floated down to the Gulf of California where it was transferred to sea going vessels and taken to Swansea, Wales for treatment. Since that time the old mine has only been worked spasmodically but each time has produced rich copper silver ore. Let us hope the old property has taken on a new lease of life and she will again be a factor in its production of copper ore.

Winkelman District

Previous notices in these columns announced the fact of the Guggenheim interests acquiring the London-Arizona and going to churn drilling to develop their ore bodies. Their first drill hole is now down to a depth of 120 feet. The Christmas camp, which has undergone extensive development and has large ore bodies already blocked out, is again active and making preparations of shipping a number of carloads daily to the Hayden smelter. This will be in addition to the extensive developments planned.

H. B. Chittenden is operating industriously and shipping ore from his property at Chilito.

S. O. Stewart is continuing work on his new find and shipping ore as other prospectors are doing in the same locality. The district no doubt has great possibilities of a very important future and its era of success is only now beginning.

Consolidated Arizona

It is officially stated that all the improvements and additions to the plant of the Consolidated Arizona Smelting Co. will be completed by November 1 and operations will start on the enlarged scale on that date. The company has installed the oil flotation process and has achieved success with that system.

After November 1 the output of the properties of the company will be more than doubled.

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Developments at the Blue Bell mine, below the 1000-foot level, have been very satisfactory. In addition, the Desoto mine has been opened and the showing there has been equal to, if not better than, the expectations of the officials.

This company operates the Humboldt smelter and also the Blue Bell mine where it obtains most of its ore supply. It however, also purchases other areas which are treated at the smelting plant.

New Keystone Copper

A special meeting of the stockholders of the New Keystone Copper Co. has been called for Nov. 12, to vote upon a proposition to dissolve the company. The physical assets of the company were taken over by the Inspiration Copper Co. some time ago.

The new Keystone Co., however, has about \$40,000 cash in its treasury and after the expenses of dissolution there will remain for distribution to stockholders about 75 to 90 cents a share.

Miami Copper

The Miami Copper Co. in September produced 4,091,000 pounds of refined copper at a cost of 7.9c a pound. This is the lowest cost ever reported by the company.

Arizona Commercial

At the present time Arizona Commercial is turning out 500,000 lbs. of copper per month which results in a splendid profit after the payment of all charges.

Drifting on the 1400-foot level continues to show excellent results and there is every reason to believe that the company is assured of developing a profitable mine.

In spite of heavy exploratory and development expenses Arizona Commercial has accumulated a cash surplus of approximately \$150,000.

Iron Cap

Returns for the month of September show shipments of 14 cars yielding a total of \$25,498. Expenses were \$6,574, leaving a net profit of \$18,924 for the month. The average received per car was \$1,821. The ore averaged 12.65 per cent copper and 11.7 ozs. silver.

Copper

A large copper interest states that the copper situation is much stronger than the Street has any idea of. "We have sold," said he, "the possible production of our mines to March 1, of next year. A large amount of copper for delivery in the second quarter of 1916 has also been sold." The decrease of over 10,000,000 pounds in foreign stocks in the first two weeks of this month, coming on top of large decreases preceding October 1, indicates that Europe will soon have to enter the American market for large amounts of copper.

LAKE SUPERIOR & ARIZONA

Company Will be Reorganized in Order to Secure Funds For Development

Calumet, Mich.—Directors of the Lake Superior and Arizona Mining company, nearly two-thirds of the stock in which is held in the Lake Superior district, at their meeting in the company's offices at Calumet, on Friday decided to reorganize the company. The details of the reorganization are now being worked out and likely will be approved at an adjourned meeting to be held next Friday.

The company will probably be reorganized along lines that will permit of a larger issue of stock and so the company can be placed on an assessable basis, with the idea of raising sufficient funds for further development work at the property.

The property is at Superior, Pinal county, and adjoins the famous Magma mine, on the south. There has been a great deal of development done upon it. An incline shaft is sunk on the dip of the strata to a depth of 1,350 feet. There are two tunnels along the contact, one 2,000 feet in length. Also two vertical shafts right in Queen Creek and where some good ore was developed and shipped. The shafts also developed large quantities of water, and more than the plant could manage. The bed of Queen Creek was cemented, but with slight effect on the water supply. It is generally conceded that the property was rightfully managed and at the enormous cost of over \$200,000. The income of the Magma mine and its large and rich ore bodies have impressed the stockholders of the possibilities in their own ground, if rightly handled.

Nature of Title to Mine Claims

A comprehensive statement concerning the nature of mining claims and the method of their acquisition, made by the United States Circuit Court of Appeals, ninth circuit in the late case of Trinity Gold Dredging and Hydraulic Co., vs. Beaudry, (233 Federal Reporter, 739) appears in the following concise paragraph:—Congress has provided how a mining claim can be acquired. In general it may be acquired by discovery of mineral, particularly of gold, silver or copper, and the like, upon the public lands and by staking the same off or marking the boundaries thereof, so that the boundaries may be plainly designated and readily ascertained. The right of continuous occupation may be maintained by keeping up the assessment work prescribed by law and this without incurring the obligation toward the government of buying and paying for the land. When an individual entitled to the benefit of the statute has made a claim in accordance therewith, and gone into possession, he is said to be the owner and in possession of the mining claim thus located. Such a claim, when perfected is declared to be property in the highest sense of that term, which may be bought, sold, conveyed and will pass by descent. It has been held, further, that the words "mining ground" used in a deed, have a technical meaning and refer to that interest which a mere occupant of the mine has in the same, and that a purchaser of a mining claim only ac-

quires such right or title from his vendor as the latter had at the time of the purchase. . . . A mining claim is therefore possessory only in character, where held by location simply and the performance of the necessary work necessary to entitle the locator to continue in possession.

Piles of Gold Swamps Uncle Sam

NEW YORK, Oct. 21.—So great has been the tide of gold poured into New York to pay the war bills of the belligerent nations that the task of melting it up to be turned into United States coin has almost overwhelmed the employees of the United States Assay office here. They are working longer than they ever did before but the piles of coin in bullion deposited by bankers grow instead of diminishing.

Ordinarily about \$100,000,000 in gold passes through the assay office in a year. Since July 1, the office has received and melted more than \$32,000,000 worth and nearly \$28,000,000 of this was received within the last ten days.

More Gold Arrives

NEW YORK, Oct. 21.—The Cunard liner Orduna arrived here today from Liverpool with \$1,250,000 in gold, consigned from British to American bankers. After unloading here the Orduna will proceed to Halifax, N. S., to take on Canadian troops for England.

The amount of gold received at the assay office is approximately \$25,000,000. It is all in English sovereigns and is the largest consignment that has been received by the assay office this year. It has been deposited to the credit of J. P. Morgan & Co.

When it is weighed a check will be given to the bankers by the assay office for 99 per cent of its

SAGE AND SULPHUR DARKENS GRAY HAIR

Brush this through faded, lifeless locks and they become dark, glossy, youthful.

Hair that loses its color and lustre, or when it fades, turns gray, dull and lifeless, is caused by a lack of sulphur in the hair. Our grandmother made up a mixture of Sage Tea and Sulphur to keep her locks dark and beautiful, and thousands of women and men who value that even color, that beautiful dark shade of hair which is so attractive, use only this old-time recipe.

Nowadays we get this famous mixture by asking at any drug store for a 50 cent bottle of "Wyeth's Sage and Sulphur Compound," which darkens the hair so naturally, so evenly, that nobody can possibly tell it has been applied. Besides, it takes off dandruff, stops scalp itching and falling hair. You just dampen a sponge or soft brush with it and draw this through your hair, taking one small strand at a time. By morning the gray hair disappears; but what delights the ladies with Wyeth's Sage and Sulphur is that, besides beautifully darkening the hair after a few applications, it also brings back the gloss and lustre and gives it an appearance of abundance.—Advertisement.

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Prehistoric cliff dwellings 10 miles
Cave dwellings 10 miles
Oak Creek Trout Stream 18 miles
Montezuma's well 50 miles
San Francisco peaks 12 miles
(Elevation 13,900 feet)
Altitude of Flagstaff 6907 ft.
Prehistoric Ruins 35 miles
Natural Bridge 75 miles

ON THE HONEYMOON TRAIL TO THE COAST

Mr. and Mrs. M. J. McShane, of Barstow, Cal., found the touring route from Detroit to California a real honeymoon trail. They have just finished the tour in a Dodge Brothers' motor car, but declare that the honeymoon is by no means over. Mr. McShane has been a resident of California for some time, but the lady of his choice resided in the State when they decided to be married. When they decided to meet in Detroit where the knot was tied, Mr. McShane had already purchased his car in Los Angeles, but had made arrangements for its delivery to him in Detroit.

This was done and the happy young couple started from Detroit for their California home. A camping outfit was carried and they took in the numerous scenic points on the way. Both are enthusiastic over the journey and over the performance of the Dodge Brothers' car. They averaged slightly more than 20 miles to the gallon of gas during the trip.

"I'll be pretty busy on this trip," he began.

"I know," interrupted his wife. "Here are forty or fifty love letters you wrote me when we were engaged. Take them along and mail me one every day."—Kansas City Journal.

total estimated value and after it has been melted and assayed a check for the difference will also be given to the bankers. After this has been accomplished the gold bars will be shipped to the Philadelphia mint to be converted into United States coin.

New Reduced Prices On

TIRES

Goods shipped to all points C. O. D. Money refunded on goods returned intact within one week.

Special Prices on	Gray	Red
Plain Tread		
28x3	\$5.80	\$1.85
30x3	6.15	1.75
32x3	7.30	1.80
30x3 1/2	8.30	2.10
31x3 1/2	8.75	2.20
32x3 1/2	9.00	2.25
34x3 1/2	9.70	2.40
36x3 1/2	10.80	2.70
30x4	12.00	2.75
31x4	12.00	2.85
32x4	12.75	2.95
33x4	13.10	3.05
34x4	13.50	3.15
35x4	13.75	3.25
36x4	14.25	3.35
34x4 1/2	16.80	3.90
36x4 1/2	17.30	4.00
38x4 1/2	17.90	4.15
37x4 1/2	18.35	4.20
38x5	19.95	4.70
36x5	20.75	4.85
37x5	21.00	5.00

Prices Subject to Change Without Notice

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